



1  
00:00:09,190 --> 00:00:07,909  
the grip 2010 hurricane mission is in

2  
00:00:11,030 --> 00:00:09,200  
full force

3  
00:00:14,070 --> 00:00:11,040  
during this year's atlantic hurricane

4  
00:00:16,390 --> 00:00:14,080  
season researchers will be able to see

5  
00:00:18,230 --> 00:00:16,400  
below the cloud tops and uncover what is

6  
00:00:20,470 --> 00:00:18,240  
happening in the internal structure of

7  
00:00:22,710 --> 00:00:20,480  
the storm through the use of powerful

8  
00:00:25,189 --> 00:00:22,720  
instruments attached on board to the

9  
00:00:28,070 --> 00:00:25,199  
dc-8 wb-57

10  
00:00:29,910 --> 00:00:28,080  
and global hawk aircraft this will allow

11  
00:00:31,669 --> 00:00:29,920  
scientists to better understand what is

12  
00:00:33,910 --> 00:00:31,679  
required to kick start a tropical

13  
00:00:35,990 --> 00:00:33,920

depression into a hurricane the nasa

14

00:00:39,670 --> 00:00:36,000

aircraft will be deployed from florida

15

00:00:42,389 --> 00:00:39,680

that's the dc-8 texas wb-57 and

16

00:00:44,470 --> 00:00:42,399

california the global hawk and will fly

17

00:00:47,110 --> 00:00:44,480

at varying altitudes over tropical

18

00:00:49,830 --> 00:00:47,120

storms in an attempt to capture them at

19

00:00:52,069 --> 00:00:49,840

different stages of development grip is

20

00:00:55,189 --> 00:00:52,079

designed to take the latest technologies

21

00:00:57,189 --> 00:00:55,199

that nasa can bring to bear satellites

22

00:00:59,430 --> 00:00:57,199

aircraft that fly in the storm aircraft

23

00:01:01,430 --> 00:00:59,440

that fly over the storm systems on the

24

00:01:03,349 --> 00:01:01,440

ground let's put it all out there for

25

00:01:06,310 --> 00:01:03,359

six weeks and see what we can learn

26  
00:01:08,789 --> 00:01:06,320  
about the physics of these storms

27  
00:01:10,550 --> 00:01:08,799  
grip is a original

28  
00:01:12,310 --> 00:01:10,560  
nasa experiment

29  
00:01:14,310 --> 00:01:12,320  
we expect that these measurements will

30  
00:01:18,230 --> 00:01:14,320  
enable hurricane modelers to improve

31  
00:01:21,030 --> 00:01:18,240  
their track and intensity forecasts

32  
00:01:22,789 --> 00:01:21,040  
nasa is providing two aircraft a dc-8

33  
00:01:25,670 --> 00:01:22,799  
aircraft and an unmanned global hawk

34  
00:01:28,390 --> 00:01:25,680  
aircraft for use in the field it's also

35  
00:01:29,990 --> 00:01:28,400  
providing a suite of advanced remote

36  
00:01:31,190 --> 00:01:30,000  
sensing instruments

37  
00:01:33,510 --> 00:01:31,200  
to measure

38  
00:01:35,190 --> 00:01:33,520

processes within storms and the

39

00:01:36,550 --> 00:01:35,200

hurricane environment

40

00:01:40,230 --> 00:01:36,560

many of these instruments have been

41

00:02:14,070 --> 00:01:40,240

funded and developed at nasa

42

00:02:14,080 --> 00:03:01,350

nice

43

00:03:14,710 --> 00:03:02,390

seven

44

00:03:14,720 --> 00:03:25,030

we sometimes can reduce the energy also

45

00:03:57,670 --> 00:03:26,869

this one is going to be like